

FIG. 1

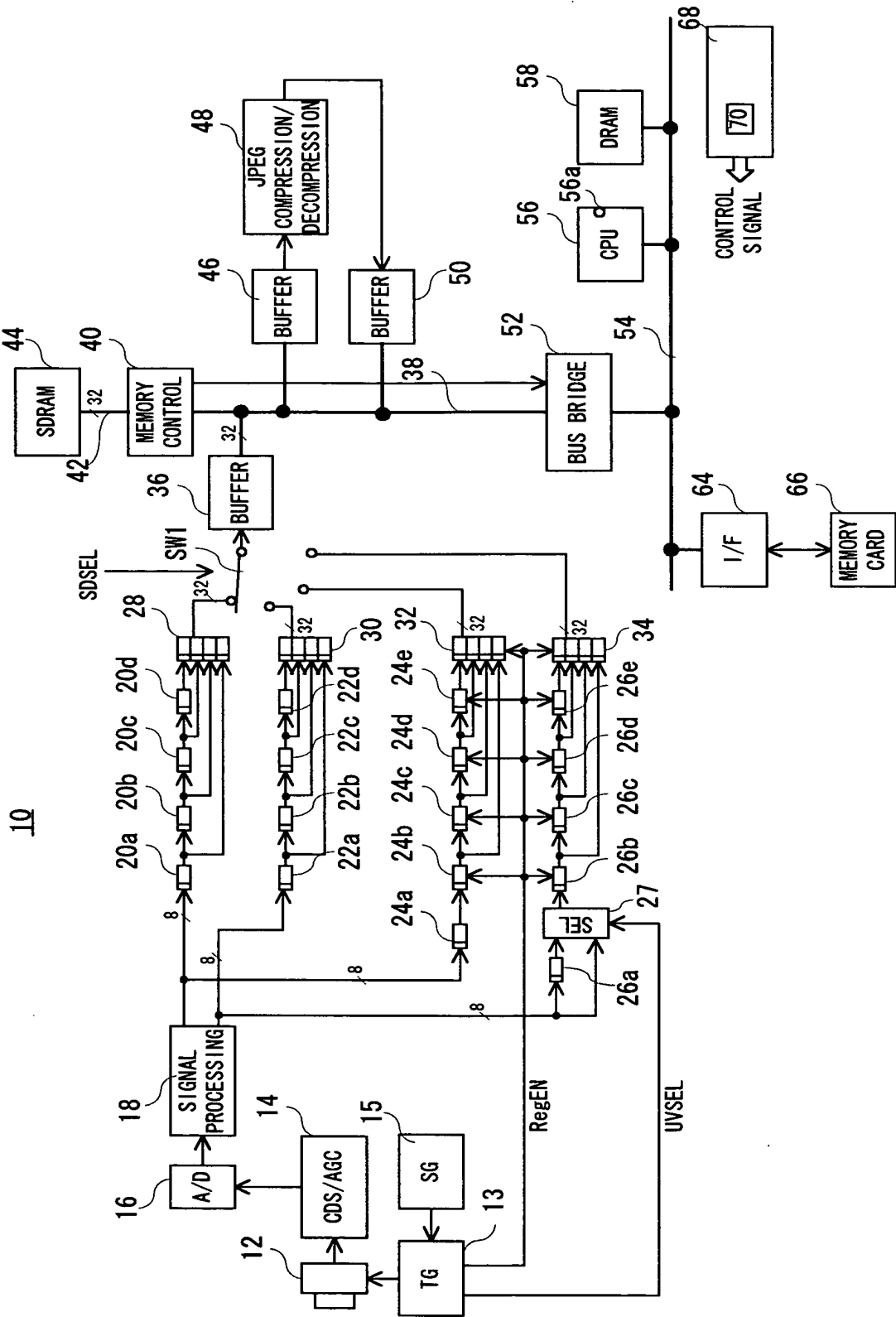
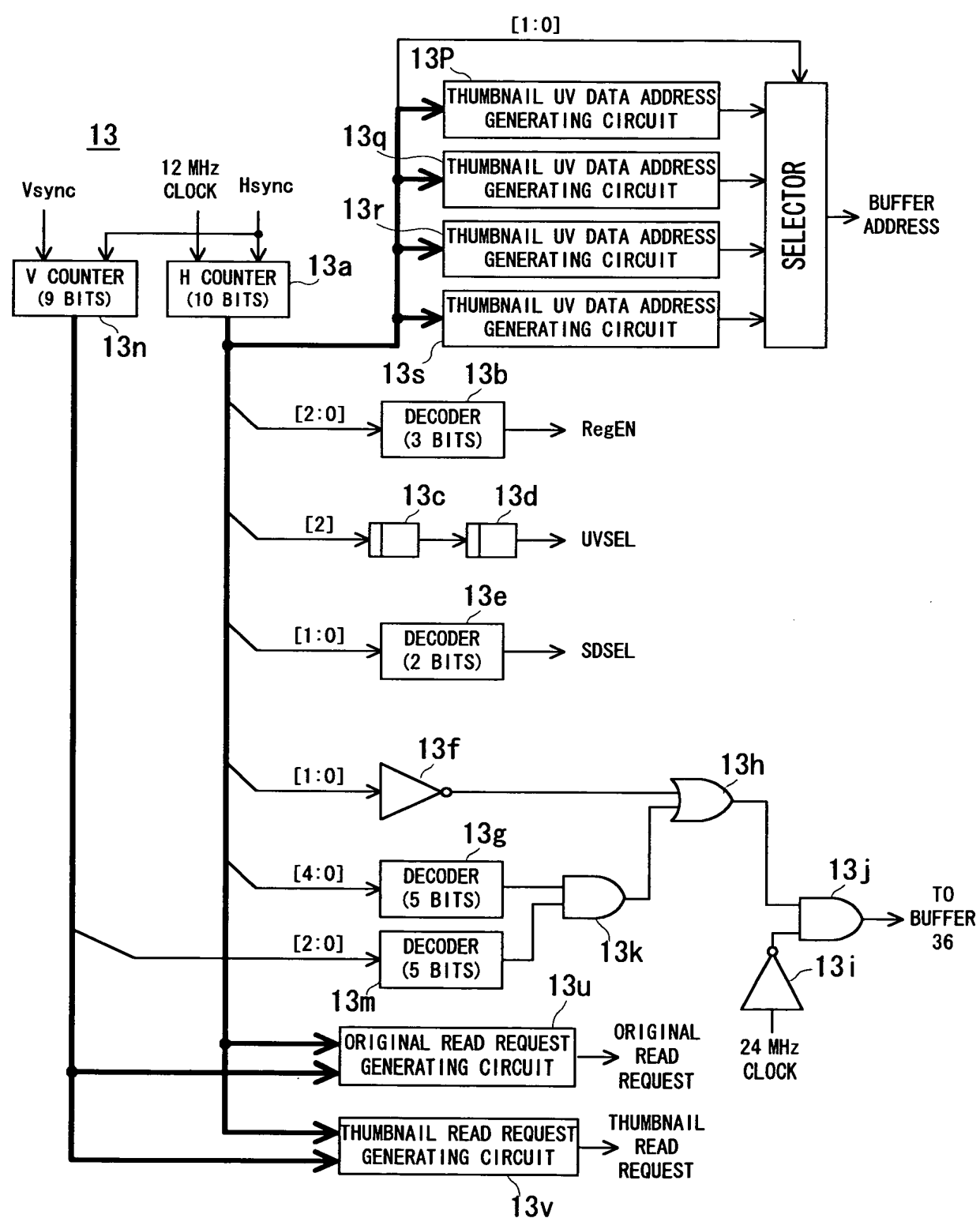


FIG. 2



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 3

127				
115				
97	U <sub>16</sub>	V <sub>20</sub>	U <sub>24</sub>	V <sub>28</sub>
96	U <sub>0</sub>	V <sub>4</sub>	U <sub>8</sub>	V <sub>12</sub>
95				
83				
65	Y <sub>32</sub>	Y <sub>40</sub>	Y <sub>48</sub>	Y <sub>56</sub>
64	Y <sub>0</sub>	Y <sub>8</sub>	Y <sub>16</sub>	Y <sub>24</sub>
63	U <sub>30</sub>	V <sub>30</sub>	U <sub>31</sub>	V <sub>31</sub>
49	U <sub>2</sub>	V <sub>2</sub>	U <sub>3</sub>	V <sub>3</sub>
48	U <sub>0</sub>	V <sub>0</sub>	U <sub>1</sub>	V <sub>1</sub>
47	Y <sub>60</sub>	Y <sub>61</sub>	Y <sub>62</sub>	Y <sub>63</sub>
33	Y <sub>4</sub>	Y <sub>5</sub>	Y <sub>6</sub>	Y <sub>7</sub>
32	Y <sub>0</sub>	Y <sub>1</sub>	Y <sub>2</sub>	Y <sub>3</sub>
31	U <sub>30</sub>	V <sub>30</sub>	U <sub>31</sub>	V <sub>31</sub>
17	U <sub>2</sub>	V <sub>2</sub>	U <sub>3</sub>	V <sub>3</sub>
16	U <sub>0</sub>	V <sub>0</sub>	U <sub>1</sub>	V <sub>1</sub>
15	Y <sub>60</sub>	Y <sub>61</sub>	Y <sub>62</sub>	Y <sub>63</sub>
1	Y <sub>4</sub>	Y <sub>5</sub>	Y <sub>6</sub>	Y <sub>7</sub>
0	Y <sub>0</sub>	Y <sub>1</sub>	Y <sub>2</sub>	Y <sub>3</sub>

THUMBNAIL AREA

BANK 2

BANK 1

ORIGINAL AREA

66550"1798760

(A) Hsync

(B) Y DATA 12 MHz

(C) UV DATA 12 MHz

(D) D-FF 28 OUTPUT 3 MHz

(E) D-FF 30 OUTPUT 3 MHz

(F) RegEN 1.5 MHz

(G) UVSEL 1.5 MHz

(H) D-FF 32 OUTPUT 1.5 MHz

(I) D-FF 34 OUTPUT 1.5 MHz

(J) SDSEL 12 MHz

(K) WRITE DATA 12 MHz

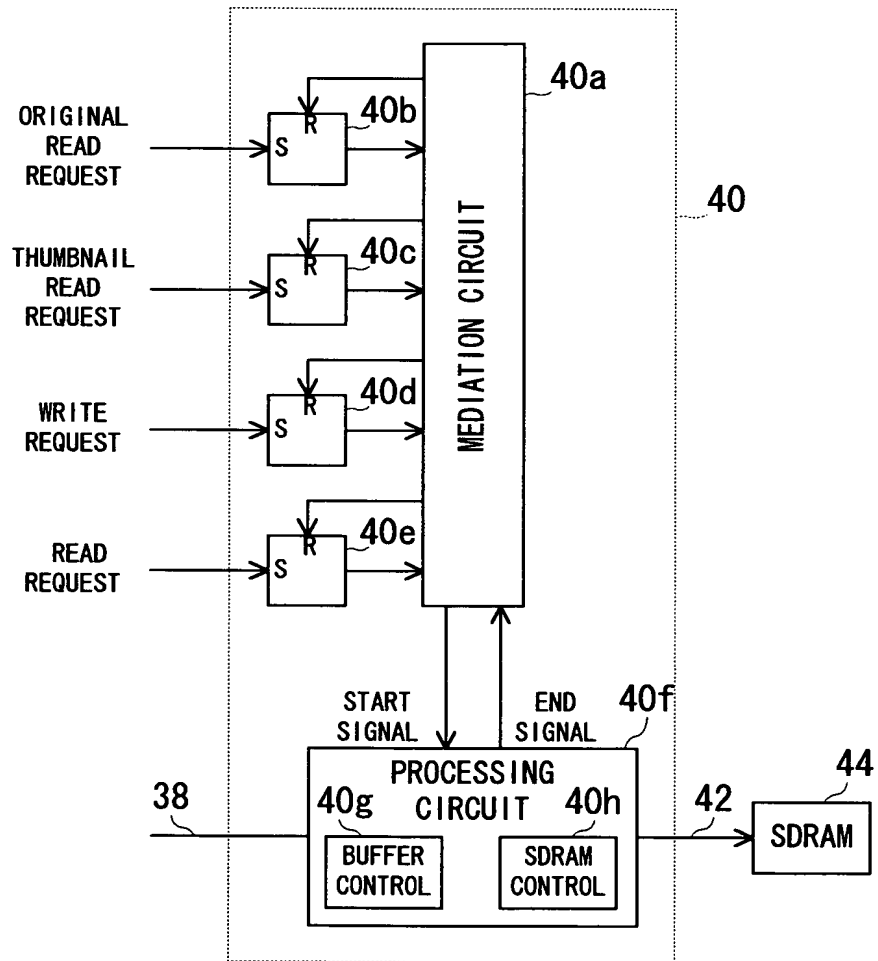
(L) WRITE ADDRESS 12 MHz

(M) WE 32 PIXELS

32 PIXELS-

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

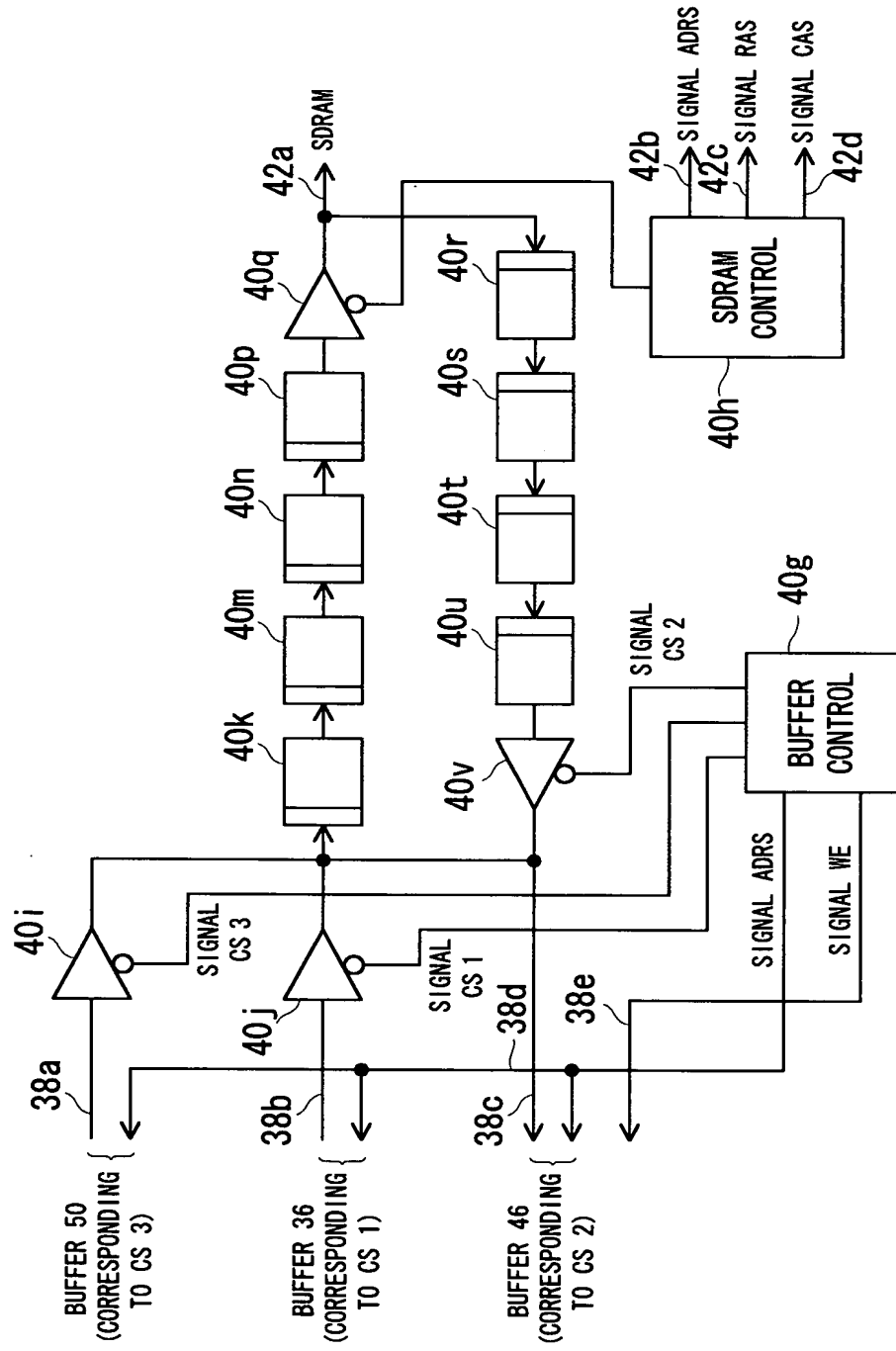
FIG. 5



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 6

40f



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 7

HORIZONTAL  
BLANKING PERIOD

(A) Hsync

(B) ORIGINAL  
READ  
REQUEST

(C) THUMBNAIL  
READ  
REQUEST

(D) READOUT  
DATA

(E) READOUT  
ADDRESS

THUMBNAIL  
IMAGE DATA

ORIGINAL IMAGE DATA

24 MHz

24MHz

Y<sub>0</sub>-Y<sub>24</sub> Y<sub>32</sub>-Y<sub>56</sub>  
U<sub>0</sub>-V<sub>12</sub> U<sub>16</sub>-V<sub>24</sub>

Y<sub>0</sub>-Y<sub>3</sub> Y<sub>4</sub>-Y<sub>7</sub>  
U<sub>0</sub>-V<sub>1</sub> U<sub>2</sub>-V<sub>3</sub>

64 96 65 97

0 16 1 17

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

